



**DIRTMAG®**

Dirt separator in technopolymer with magnet

5453 series

[www.caleffi.com](http://www.caleffi.com)



**PCT**  
INTERNATIONAL  
APPLICATION  
PENDING

- Can be used to separate all impurities, including ferrous ones, in the thermal medium circulating within air conditioning systems.
- Suitable for all closed circuit systems.
- A large decantation chamber reduces the frequency of cleaning, which can also be done while the system is running.
- Can be installed on both horizontal and vertical pipes, thanks to the adjustable connection.
- Extremely quick and easy to clean thanks to the removable magnetic ring and wide drain cock.
- Low head losses.



**CALEFFI**  
Hydronic Solutions

## PRODUCT RANGE



CODE	CONNECTION
545305	3/4" F
545306	1" F
545307	1 1/4" F

CODE  
CBN545305



CODE	CONNECTION
545302	Ø 22
545303	Ø 28

CODE  
CBN545305



CODE	CONNECTION
545345	3/4" F
545346	1" F
545347	1 1/4" F

CODE  
CBN545345

## PERFORMANCE

Working temperature range	0–90°C
Max. working pressure	3 bar
Medium	water, glycol solutions
Max. percentage glycol	30%

## AIR AND DIRT DRAIN PURGE



Use a screwdriver or butterfly key to undo the screw on the top plug and purge any air that has collected at the top of the body.



Remove the ring in which the magnets are housed and drain the impurities, even while the system is running, using the special key provided.

## SEPARATION OF FERROUS IMPURITIES

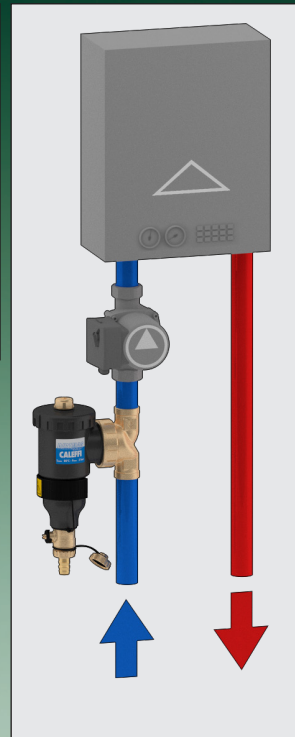
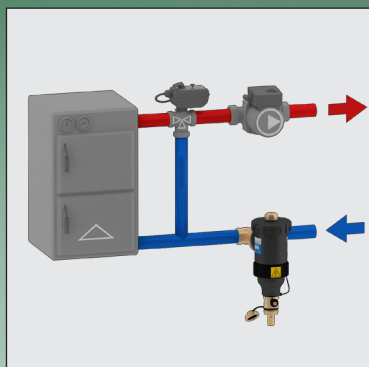
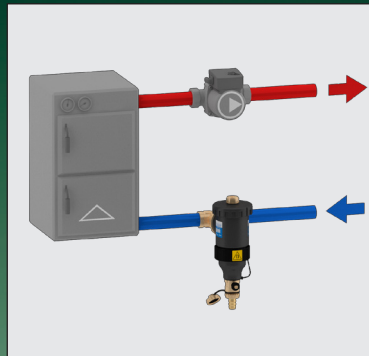
This series of dirt separators, fitted with a magnet, offer greater efficiency in the separation and collection of ferrous impurities. The impurities are trapped inside the dirt separator body by the strong magnetic field created by the magnets inserted in the special outer ring.

The outer ring can also be removed from the body to allow their decantation and subsequent expulsion while the system is still running.

Since the magnetic ring is positioned outside the dirt separator body, the hydraulic characteristics of the device are not altered.



## APPLICATION DIAGRAMS



## REFERENCE DOCUMENTATION

5453 series

- Technical brochure 01240

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